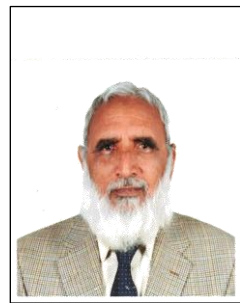


# Dr. Muhammad Ashraf

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E: dir\_csi@hotmail.com



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## BRIEF PROFILE

I feel privileged by the grace of God that I am among a very few agricultural professionals of Pakistan who are not only highly qualified but do have rich experience in the field of Rice. I am a hard core agriculture person. I did my BSc in Agriculture from Pakistan, MS from University of Beirut Lebanon in Agronomy, PhD from International Rice Research Institute Philippines - IRRI and Post Doctorate Fellowship from University of Birmingham, UK. I have an experience of 37 years in the field of Agricultural with around 28 years of post doctorate experience. I grew from a beginner position to the top most senior positions in my professional career. My last appointment with the Government Of Pakistan was Director General, National Agricultural Research Centre (NARC), Pakistan. I held the position of RICE COORDINATOR-Pakistan from 1984 - 1999 as well, a prestigious but challenging position which is given to a highly qualified and experienced person. National Coordinator of Rice is responsible for overall planning of rice cropping, application of crop management practices, research and development on different varieties, their yield enhancement measures, crop protection measures and many more functions related to rice production especially fine rice. I am still eager to contribute to the welfare of mankind in my humble capacity based on what I learnt in the life.

## EDUCATION PROFILE

### Post-Doc. Fellowship (1990)

School of Biological Sciences,  
*University of Birmingham. U.K.*

### Ph.D. Plant Physiology (1983)

(Minor Courses in Soil Science)  
*IRRI/University of Philippines,  
Los, Banios, Philippines*

### M.S. Agronomy (1974)

(Minor Courses in Soil Science)  
*American University Of Beirut, Lebanon*

### B.Sc (Hons) Agricultural Sciences (1966)

Major subject Agronomy  
*West Pakistan Agricultural University, Lyallpur. Pakistan*

## RESEARCH FELLOWSHIP

### Plant Physiology Department

Oct 1980 to Mar 1984

*Research Fellowship*

International Rice Research Institute,

Manila, Philippines & Graduate Student in

University of Philippines, Los Banos for Ph.D. degree.

## **PROFESSIONAL TRAINING**

Training course on "**Management Development for Scientists Course**" organized by PASA.

Training workshop on "**Productivity Indicators**" organized by PASA.

Training course on "**Research Management for Development**" organized by PASA.

"**Project Monitoring and Evaluation Course**" conducted by Management Services Wing, Cabinet Division.

## **EMPLOYMENT**

### **Hybrid Seed Production Department**

**Jan, 2008 to-date**

Emkay Seeds (Pvt), Lahore.

### **Ministry of Agriculture and Forestry, Khartoum, Sudan for Crown Rice Production Project**

2008 - 2010

Consultant

Agro-Industries Feasibility Study in Sudan

### **Agriculture Strategy**

Oct 2006 to Dec 2006

Consultant for Pakistan

Asian Development Bank (ADB)

### **National Agricultural Research Centre (NARC)**

Jan 2004 to Nov 2005

Director General (BPS-21),

### **Crop Sciences Division, PARC**

Sep 2001 to Jan 2004

Member (BPS-20),

### **Crop Sciences Institute, NARC, Islamabad**

Jan 1999 to Sep 2001

Director (BPS-20)

### **National Coordinator (BPS-19), Rice**

June 1984 to Jan 1999

### **Asianics Agro Development International,**

NGO, Islamabad in 1985

Consultant

Rural Development Projects

### **Senior Production Agronomist (Rice)**

Feb 1977 to Sep 1980

**Rice Research Institute, Kala Shah Kaku**

### **Wheat Research Institute, Faisalabad**

Oct 1972 to Jan 1977

Assistant Plant Physiologist

### **Wheat Programme, AARI, Faisalabad**

Jul 1968 to Sep 1972

Research Assistant

## POLICY MATTERS

As a resource person providing policy guidelines to

1. Pakistan Rice Board,
2. Agriculture Prices Commission,
3. Ministry of Food & Agriculture,
4. Government Of Pakistan (GOP),
5. Private Sector Agro-Industry.

## ACHIEVEMENTS

1. On 30.12.1991, received "Hamdard Foundation Farm Guide Council Cash Award and Golden Star" because of developing simpler technique for raising mat type nursery for Yanmar transplanter.
2. On 25th May 1992 received commendation certificate from PARC Scientists Association for outstanding research work on rice.

## SCIENTIFIC CONTRIBUTION

1. Developed a simpler and efficient technique (preflooding incorporation of N fertilizer) of increasing efficiency of **N Fertilizers In Paddy**. It gave 20% increase in paddy yield at the same fertilizer level. *Results published*
2. Developed and executed "**Rice Yield Optimization Project**" to demonstrate potential of rice technology under farmers condition and to identify factors preventing farmers from using improved techniques. It was carried out for 2 years in 7 villages about 400 ha. *Results published.*
3. Investigated the causes of **Poor Germination In Direct Seeding Paddy**. Studied morphological and metabolic aspects of Rice Seed Germination In Hypoxia (low O<sub>2</sub> environments). The objective was to explore possibilities of water seeding paddy in Pakistan plains characterized by supra- optimal temperature at seeding time. *Results published.*
4. Contributed to the development, evaluation and release of **Semi Dwarf Rice Varieties** in Pakistan: Bas.385, Sada Hayat, Swat-II, Pakhal, DR 92 Shua, Super Basmati and Sarshar.
5. Executed "**Rice Productivity Enhancement Project**" at whole village level in selected villages. Constraints examined. Yield gap analyzed. Confidence on technology improved. Yield stagnation broken. Farmers of area trained. *Report published*
6. Contributed in the development of resource conservation and pro-poor technologies for **Rice-Wheat Production System** and promoted to farmers.
7. Investigated the causes of **High Panicle Sterility** in D.I. Khan. It was found to be linked with high air temperature coinciding with anthesis due to very early planting of paddy.
8. Investigated causes of **High Panicle Sterility** in Punjab and Sindh paddy. It was associated with Boron nutrition. Technique of Boron fertilization perfected. Results published.

## **INTERNATIONAL CONFERENCE/STUDY TOURS**

1. International Symposium on "Nitrogen and Rice", IRRI, Los Banos, Philippines September, 1978.
2. International Rice Research Conference, 1-5 June 1985, IRRI, Los Banos, Philippines.
3. Conducted a study tour" Hybrid Rice Production Techniques In China", September 1-23, 1985.
4. 16th Asian Rice Farming System Working Group Meeting, Bangladesh Sept. 10-15, 1985.
5. 18th Asian Rice Farming System Working Group Meeting, Islamabad, August 30 to September 4, 1987.
6. Participated in RTCC meeting of Rice-Wheat Consortium in Nepal, June 25-26, 1998. Presented a paper on "Problems in Paddy Stand Establishment: Some answers".
7. Participated in Rice-Wheat Consortium Steering Committee Meeting held at ICRISAT, India from 16-2-1998 to 17.2.1998.
8. Participated in Farmers Participatory Research Workshop organized by IDB, FAO and ICARDA at Aleop, Damascus. 5-11 May 1999.
9. Participated in regional Rice-wheat traveling seminar in Pak-India sector. 9-14 April, 2000.
10. Participated in regional rice-wheat traveling seminar in India, Nepal and Bangladesh. 7-17 September, 2001.
11. Participated in International Rice Congress. 16-20 September, 2002. Beijing, China.
12. Participated in Rice Traveling Seminar of RWC in North and Central part of Indogangetic plain, September 12-21, 2004
13. Participated in World Rice Research Conference 2004 in Tuskuba, Japan November 5-7, 2004.

## **PUBLICATIONS**

- |                        |    |
|------------------------|----|
| a) BOOK CHAPTERS       | 2  |
| b) BOOK/BOOKLETS       | 6  |
| c) SCIENTIFIC PAPERS   | 52 |
| d) EXTENSION BULLETINS | 41 |
| e) TECHNICAL REPORTS   | 20 |

## REFERENCES

### **Dr. D.S. Brar**

Head  
Plant Breeding & Genetic and Biotechnology  
IRRI, Los – Banios,  
Philippines.  
E-mail: d.brar@cgiar.org

### **Dr. Amir Muhammed**

Rector,  
University of Computer and Emerging Sciences,  
FAST House, Sector, G-9/4, Islamabad.  
Tel: 92-51-2855032 & 92-51-2855072  
email: amir-muhammed@gmail.com

### **Dr. G. S. Khush FRS**

Member US National Academy of Sciences  
Adjunct Professor  
University of California, Davis, CA 95616,  
Former Head Plant Breeding, Genetic and Biotechnology,  
International Rice Research Institute,  
Los – Banios, Philippines.  
E-mail: gskhush@cgiar.org  
Tel. & Fax: (530)750-2440

## PERSONAL INFORMATION

**Father Name:** Abdul Ghafoor  
**Date of birth:** November 21, 1945  
**Nationality:** Pakistani  
**Religion:** Islam  
**Language:** Urdu, English, Arabic  
**Passport No:** AM1847142  
**CNIC No:** 61101-0885714-5